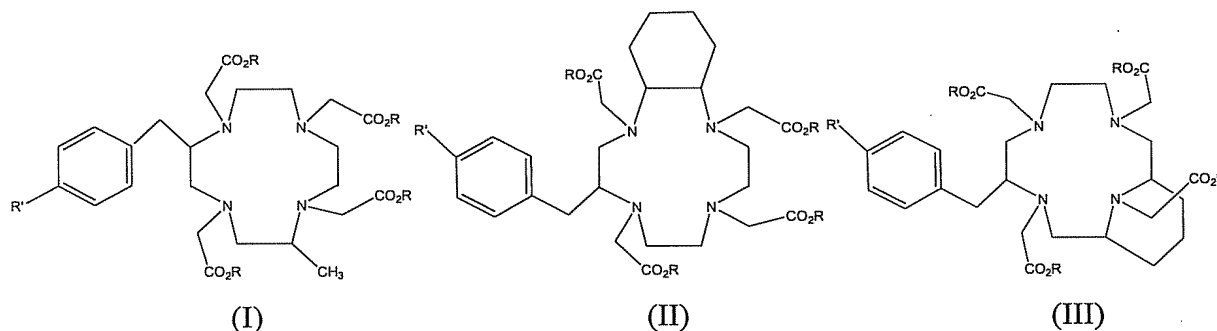


AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

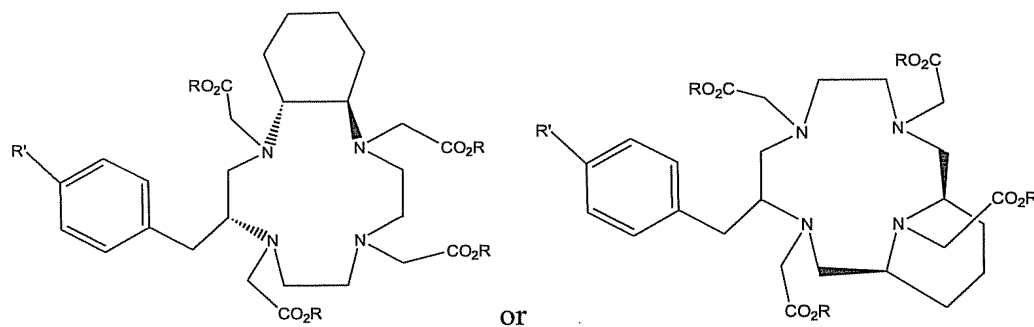
1. (Previously Presented) A compound of the formula (I), (II), or (III)



wherein R is hydrogen or alkyl and R' is selected from the group consisting of hydrogen, halo, alkyl, hydroxy, nitro, amino, alkylamino, thiocyno, isothiocyno, carboxyl, carboxyalkyl, carboxyalkyloxy, amido, alkylamido and haloalkylamido.

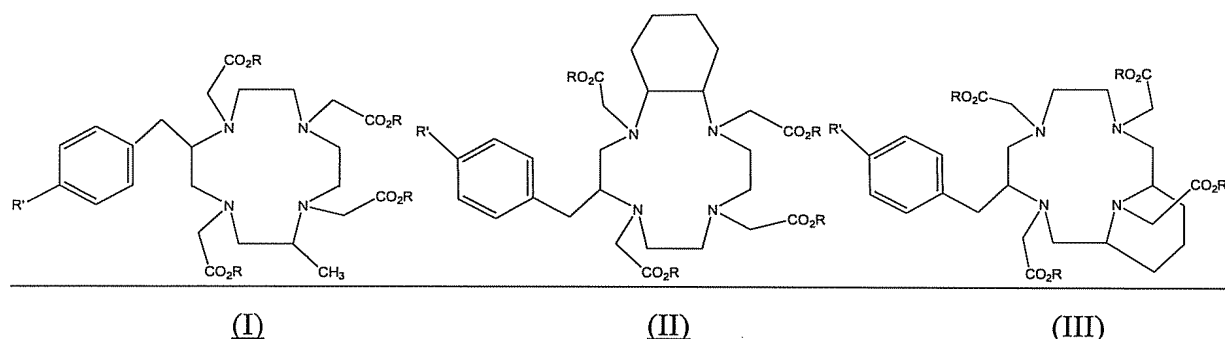
2. (Canceled)

3. (Previously Presented) The compound of claim 1 of the formula



- 4.-5. (Canceled)

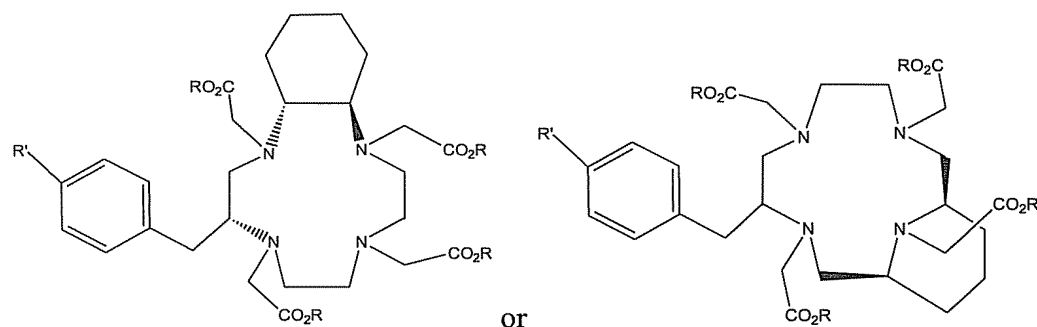
6. (Currently Amended) A complex comprising ~~the~~ a compound of ~~claim 1~~ the formula (I), (II), or (III)



wherein R is hydrogen or alkyl and R' is selected from the group consisting of hydrogen, halo, alkyl, hydroxy, nitro, amino, alkylamino, thiocyno, isothiocyno, carboxyl, carboxyalkyl, carboxyalkyloxy, amido, alkylamido and haloalkylamido, and a metal ion, wherein the metal ion is optionally radioactive.

7. (Canceled)

8. (Currently Amended) A complex comprising ~~the~~ a compound of ~~claim 3~~ the formula



wherein R is hydrogen or alkyl and R' is selected from the group consisting of hydrogen, halo, alkyl, hydroxy, nitro, amino, alkylamino, thiocyno, isothiocyno, carboxyl, carboxyalkyl, carboxyalkyloxy, amido, alkylamido and haloalkylamido, and a metal ion, wherein the metal ion is optionally radioactive.

9.-10. (Canceled)

11. (Currently Amended) The complex of claim 6, wherein the metal ion is selected from the group consisting of ions of Bi, Pb, Y, Mn, Cr, Fe, Co, Ni, Tc, In, Ga, Cu, Re, Sm, a lanthanide, and an actinide.

12. (Currently Amended) The complex of claim 11, wherein the lanthanide ion is Gd(III).

13. (Previously Presented) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of claim 1.

14. (Previously Presented) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a complex of claim 6.

15. (Previously Presented) A method for diagnostic imaging of a host, which method comprises:

(i) administering to the host a complex of claim 6 in an amount effective to provide an image; and

(ii) exposing the host to an energy source, whereupon a diagnostic image of the host is obtained.

16. (Previously Presented) A method for magnetic resonance imaging of a host, which method comprises:

(i) administering to the host a complex of claim 6, in which the metal ion is paramagnetic, in an amount effective to provide an image; and

(ii) exposing the host to a magnet, whereupon a magnetic resonance image of the host is obtained.

17. (Currently Amended) The method of claim 16, wherein the complex comprises ~~Gd~~ Gd(III).

18. (Previously Presented) A method for x-ray imaging of a host, which method comprises:

(i) administering to the host a complex of claim 6, in which the metal ion is radio-opaque, in an amount effective to provide an image; and

(ii) exposing the host to x-rays, whereupon an x-ray contrast image of the host is obtained.

19. (Currently Amended) The method of claim 18, wherein the complex comprises an ion of ^{213}Bi , ^{212}Bi , ^{212}Pb , ^{225}Ac , ^{177}Lu , $^{99\text{m}}\text{Tc}$, ^{111}In , ^{11}C , ^{13}N , ^{123}I , ^{186}Re , ^{18}F , ^{15}O , ^{201}Tl , ^3He , ^{166}Ho or ^{67}Ga .

20. (Previously Presented) A method for single photon emission computed spectroscopy (SPECT) imaging, which method comprises:

(i) administering to the host a complex of claim 6, in which the metal ion emits a single photon, in an amount effective to provide an image; and

(ii) exposing the host to an energy source, whereupon a SPECT image of the host is obtained.

21. (Currently Amended) The method of claim 20, wherein the complex comprises an ion of ^{213}Bi , ^{212}Bi , ^{212}Pb , ^{225}Ac , ^{177}Lu , $^{99\text{m}}\text{Tc}$, ^{111}In , ^{11}C , ^{13}N , ^{123}I , ^{186}Re , ^{18}F , ^{15}O , ^{201}Tl , ^3He , ^{166}Ho or ^{67}Ga .

22. (Previously Presented) A method for treating a cellular disorder in a mammal, which method comprises comprising administering to the mammal a complex of claim 6 in an amount effective to treat the cellular disorder, whereupon the cellular disorder in the mammal is treated.

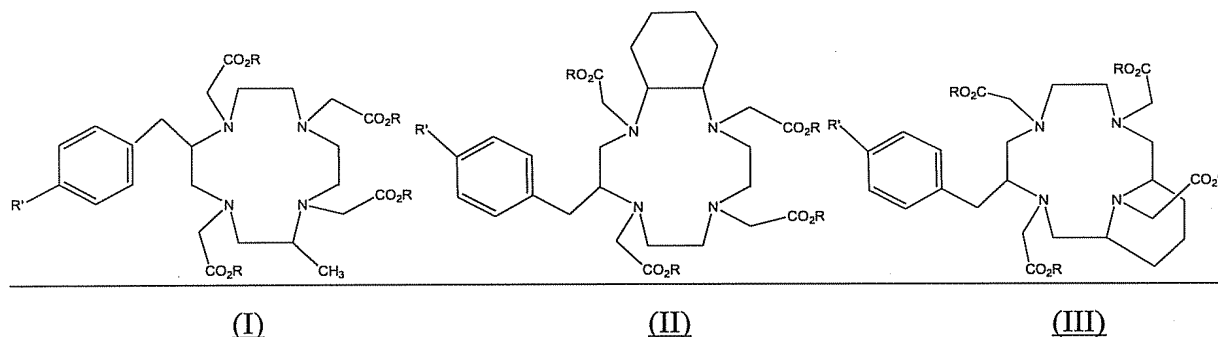
23. (Currently Amended) The method of claim 22, wherein the complex comprises an ion of ^{90}Y , ^{213}Bi , ^{212}Bi , ^{212}Pb or ^{225}Ac .

24. (Original) The method of claim 22, wherein the cellular disorder is cancer.

25. (Currently Amended) The method of claim 24, wherein the complex comprises an ion of ^{90}Y , ^{213}Bi , ^{212}Bi , ^{212}Pb or ^{225}Ac .

26. (Currently Amended) A conjugate comprising a complex of claim 6 and a biomolecule,

wherein the complex comprises a compound of the formula (I), (II), or (III)



wherein R is hydrogen or alkyl and R' is selected from the group consisting of hydrogen, halo, alkyl, hydroxy, nitro, amino, alkylamino, thiocyno, isothiocyno, carboxyl, carboxyalkyl, carboxyalkyloxy, amido, alkylamido and haloalkylamido, and a metal ion, wherein the metal ion is optionally radioactive.

27. (Original) The conjugate of claim 26, wherein the biomolecule is selected from the group consisting of a hormone, an amino acid, a peptide, a peptidomimetic, a protein, deoxyribonucleic acid (DNA), ribonucleic acid (RNA), a lipid, an albumin, a polyclonal antibody, a receptor molecule, a receptor binding molecule, a hapten, a monoclonal antibody and an aptamer.

28. (Previously Presented) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of claim 3.

29. (Previously Presented) A method for magnetic resonance imaging of a host, which method comprises:

- (i) administering to the host a complex of claim 8, in which the metal ion is paramagnetic, in an amount effective to provide an image; and
- (ii) exposing the host to a magnet, whereupon a magnetic resonance image of the host is obtained.

30. (Previously Presented) A method for x-ray imaging of a host, which method comprises:

- (i) administering to the host a complex of claim 8, in which the metal ion is radio-opaque, in an amount effective to provide an image; and
- (ii) exposing the host to x-rays, whereupon an x-ray contrast image of the host is obtained.

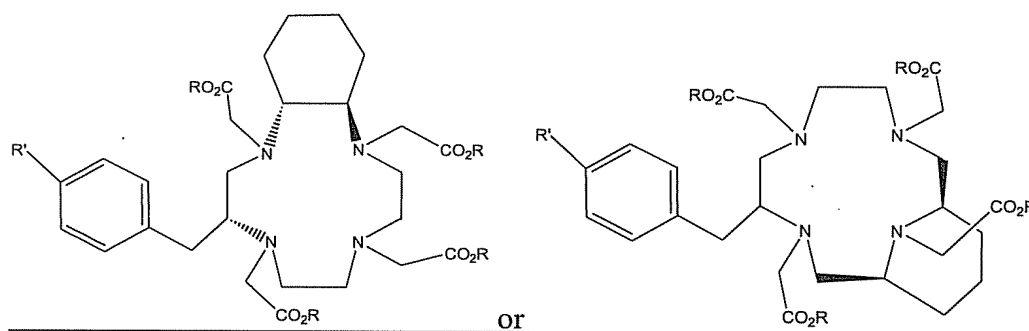
31. (Previously Presented) A method for single photon emission computed spectroscopy (SPECT) imaging, which method comprises:

- (i) administering to the host a complex of claim 8, in which the metal ion emits a single photon, in an amount effective to provide an image; and
- (ii) exposing the host to an energy source, whereupon a SPECT image of the host is obtained.

32. (Previously Presented) A method for treating a cellular disorder in a mammal, which method comprises comprising administering to the mammal a complex of claim 8 in an amount effective to treat the cellular disorder, whereupon the cellular disorder in the mammal is treated.

33. (Currently Amended) A conjugate comprising a complex of claim 8 and a biomolecule,

wherein the complex comprises a compound of the formula



wherein R is hydrogen or alkyl and R' is selected from the group consisting of hydrogen, halo, alkyl, hydroxy, nitro, amino, alkylamino, thiocyno, isothiocyno, carboxyl, carboxyalkyl, carboxyalkyloxy, amido, alkylamido and haloalkylamido, and a metal ion, wherein the metal ion is optionally radioactive.